## In-Class Worksheet 4: Regular Expressions

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## 1 RegExps

Write regular expressions for the following languages (you're allowed to use  $\Sigma^*$  as a shorthand)

- $\{ w \mid w \text{ has at least three 1s} \}$

## 2 Conversion of Regular Expressions to NFAs

Convert the previous regular expressions to NFAs, convince yourself that they really *are* the same